



In the name of Allah

AFM Lovers presents

Anatomy sec.1

The skull



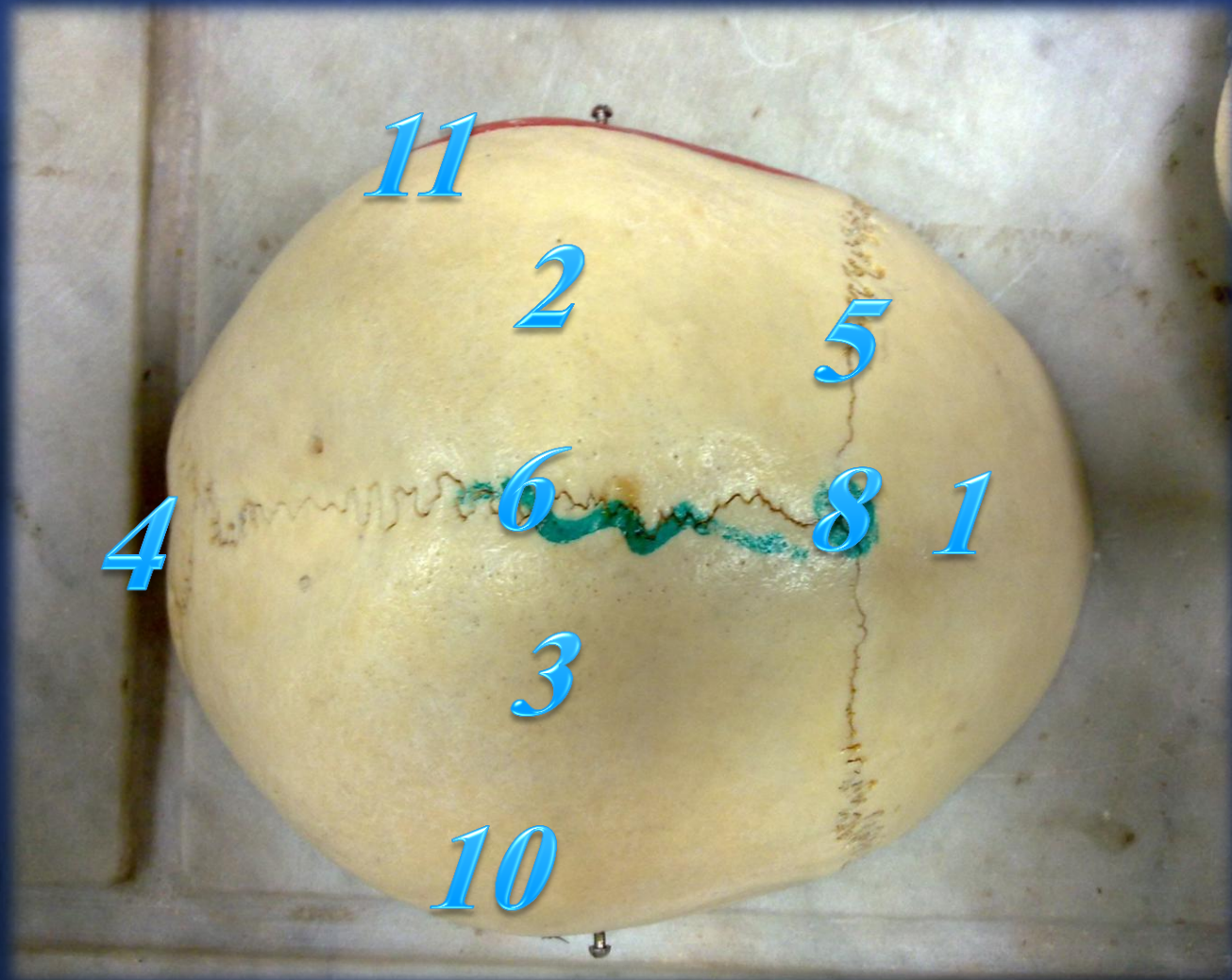


❖ Normae of Skull (Views)

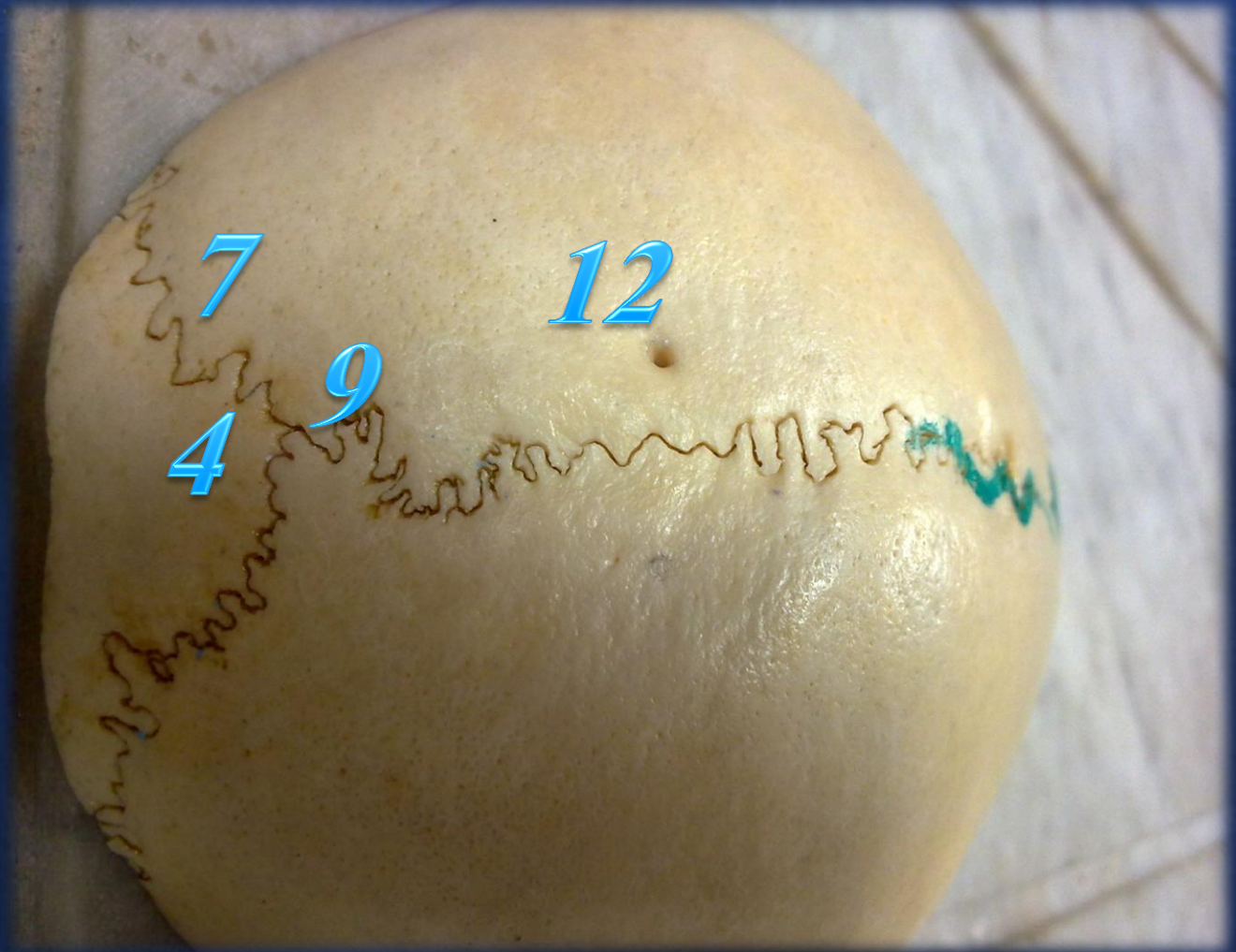
- Norma Verticalis (Above)
- Norma Frontalis
- Norma Lateralis
- Norma Occipitalis
- Norma Basalis
 - Externa
 - Interna (Cranial Cavity)

الجزء المنشور من الجمجمة العلوى
اسمه* Skull Cap

1. Norma verticalis: (superior view)



*1. Norma verticalis:
(superior view)*



1. Norma verticalis: (superior view)

Bones:

Frontal bone >> 1

2 parietal bones >> 2 & 3

Occipital bone >> 4

Sutures: (fibrous joints)

Coronal suture (parietal & frontal) >> 5

Sagittal suture (2 parietal) >> 6

Lambdoid suture (parietal & occipital) >> 7

**Lambdoid* جاية من لامدا بتاعت الفيزياء اللي هيا
شبه حرف Y مقلوب



1. Norma verticalis: (superior view)

Points of meeting :

Bregma (after 18 months)

(covered by the anterior fontanelle at birth) >> (coronal & sagittal) >> 8

Lambda (after 6 months)

(covered by the posterior fontanelle at birth) >> (lambdoid & sagittal) >> 9

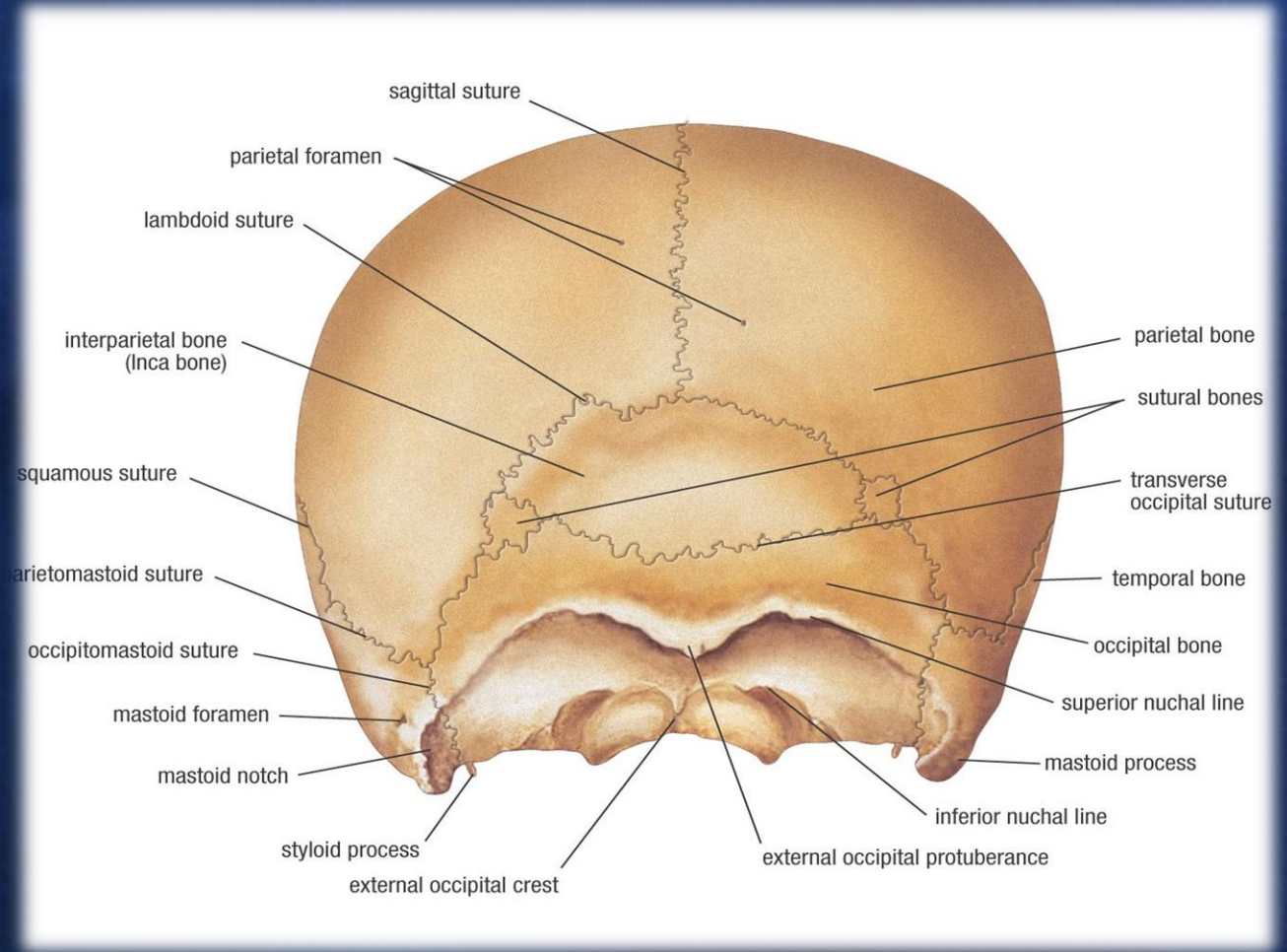
Other features:

Parietal eminence >> 10 & 11

Parietal emissary foramen >> 12



2. Norma occipitalis: (posterior view)



2. Norma occipitalis: (posterior view)

Bones:

2 parietal bones

Occipital bone

2 mastoid temporal bones (behind the ears)

Sutures:

2 occipitomastoid sutures

Lambdoid suture



2. Norma occipitalis: (posterior view)

Other features:

External occipital protuberance (origin of trapezius + attachment of nuchal ligament)

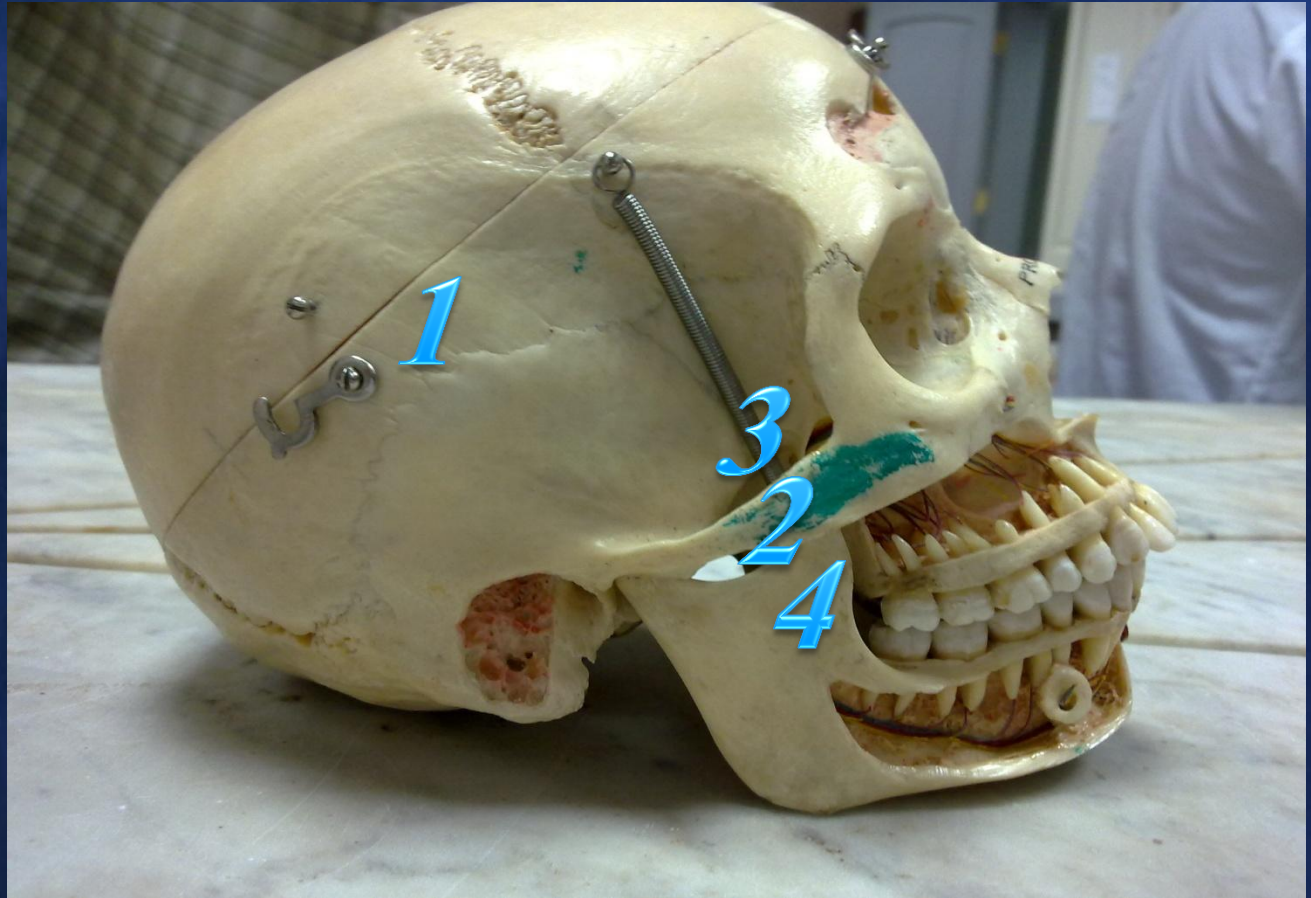
External occipital crest (below the protuberance >> attachment of nuchal ligament)

Superior nuchal lines (at the level of protuberance) >> above them >> highest nuchal lines >> below them >> inferior nuchal lines.

2 mastoid emissary foramen 4 emissary veins that connect the internal & external veins >> behind the mastoid bones .



3. Norma Lateralis: (Lateral view)

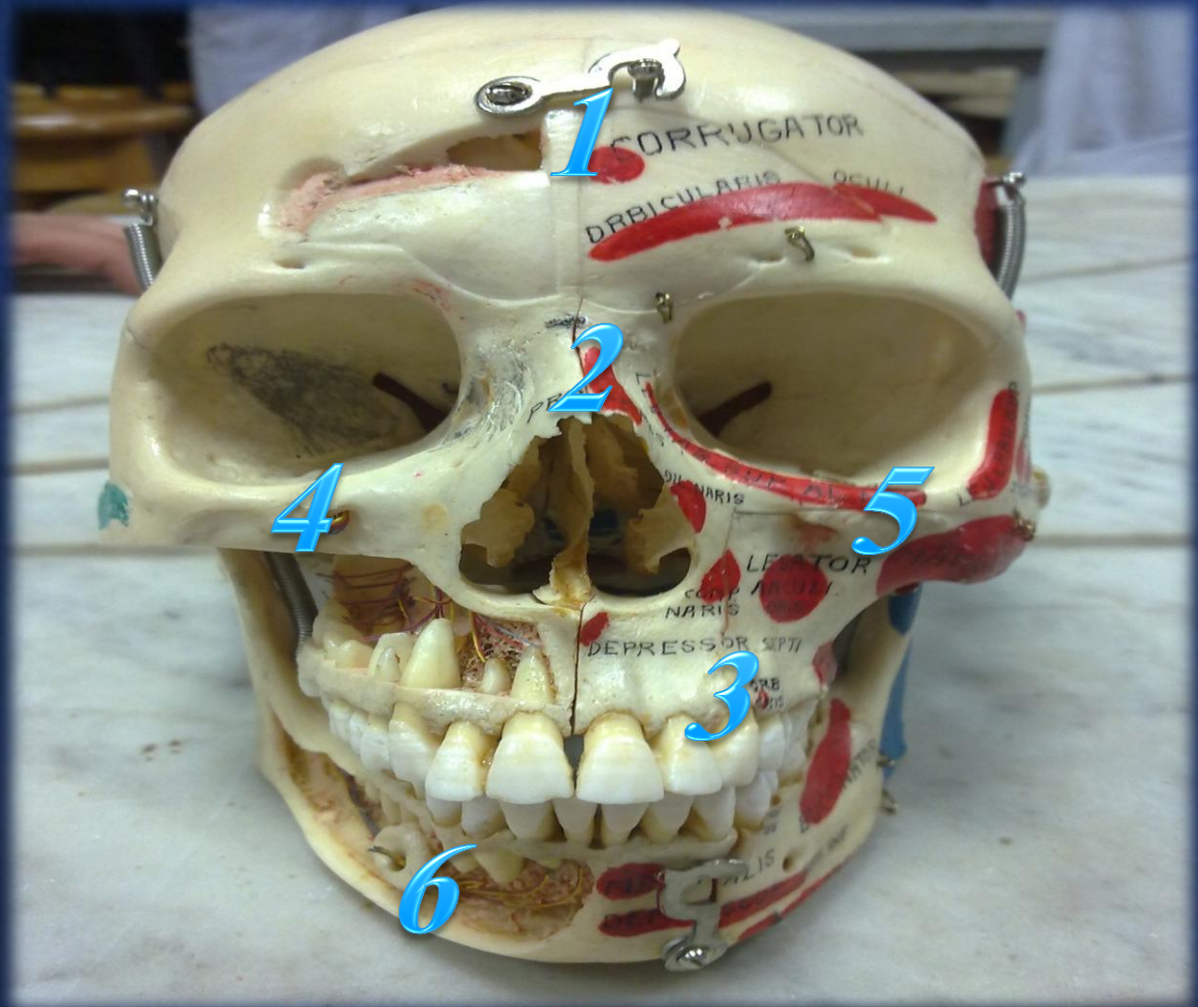


3. Norma Lateralis: (Lateral view)

- 1) Temporal bone*
- 2) Zygomatic Arch*
- 3) Temporal Fossa*
- 4) Infratemporal Fossa*



4. Norma frontalis: (anterior view)



*Norma frontalis:
(anterior view)*



4. Norma frontalis: (anterior view)

Bones:

Frontal bone >> 1

Nasal bone >> 2

Maxilla >> 3

*2 zygomatic bones >> 4 & 5 >> from
which 2 zygomatic arches arise*

Body of the mandible >> 6



4. Norma frontalis: (anterior view)

Sutures:

Fronto-nasal suture >> 7

Inter-nasal suture >> 8

Fronto-zygomatic suture >> 9

Fronto-maxillary suture >> 10

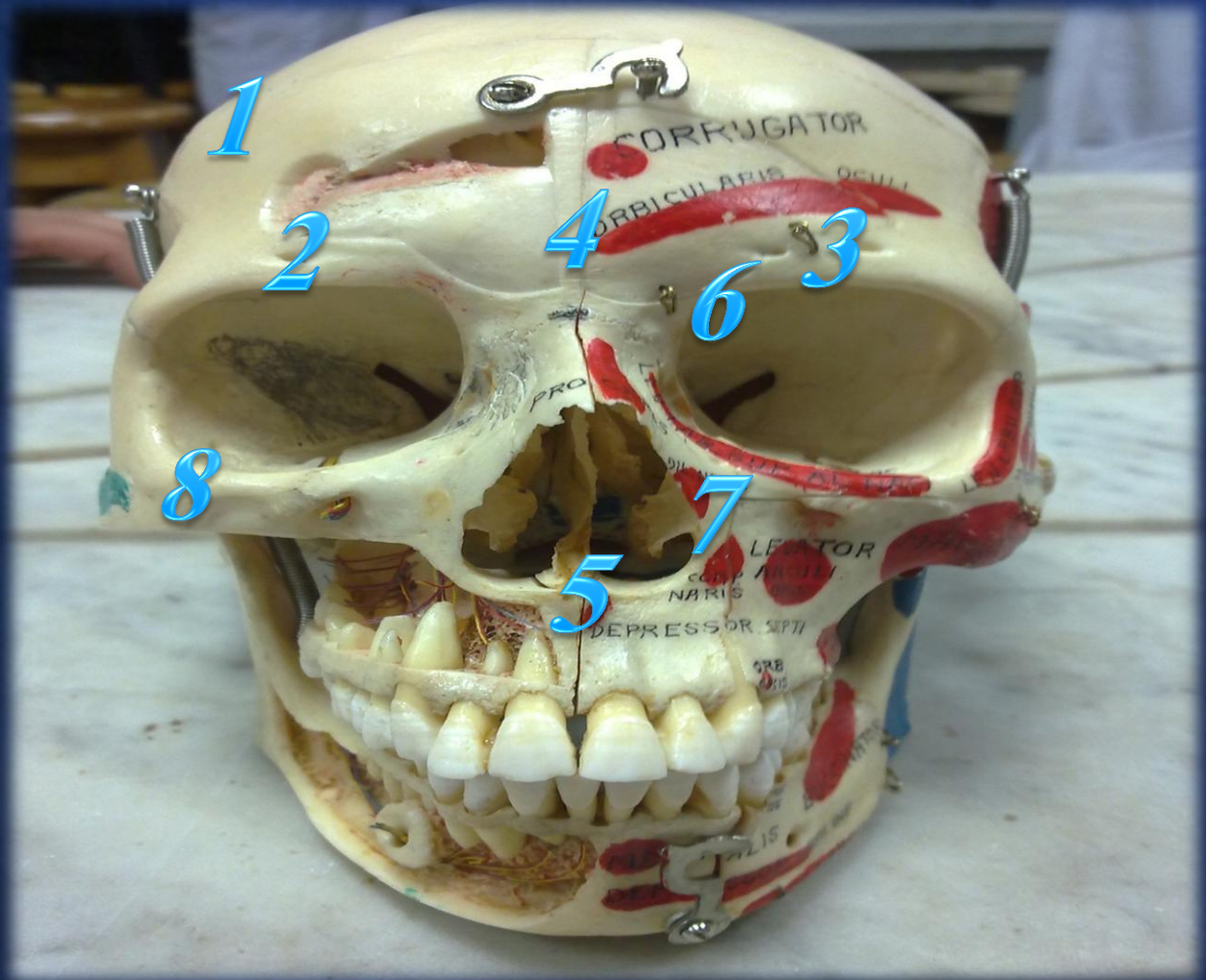
Zygomatico-maxillary suture >> 11

Points of meeting :

*Nasion (fronto-nasal & inter-nasal
sutures) >> 12*



4. Norma frontalis: (anterior view)



4. Norma frontalis: (anterior view)

Other features :

Frontal eminence (The most prominent part of the forehead) >> 1

Superciliary arches >> 2 & 3

Glabella (elevated between the 2 arches) >> 4

Anterior nasal spine (at the lower border) >>5

Foramena:

Supraorbital foramen >> 6

Infraorbital foramen(on the maxilla) >> 7

Zygomaticofacial foramen >> 8



4. Norma frontalis: (anterior view)

Teeth:

Canine eminence (elevation) >> 9

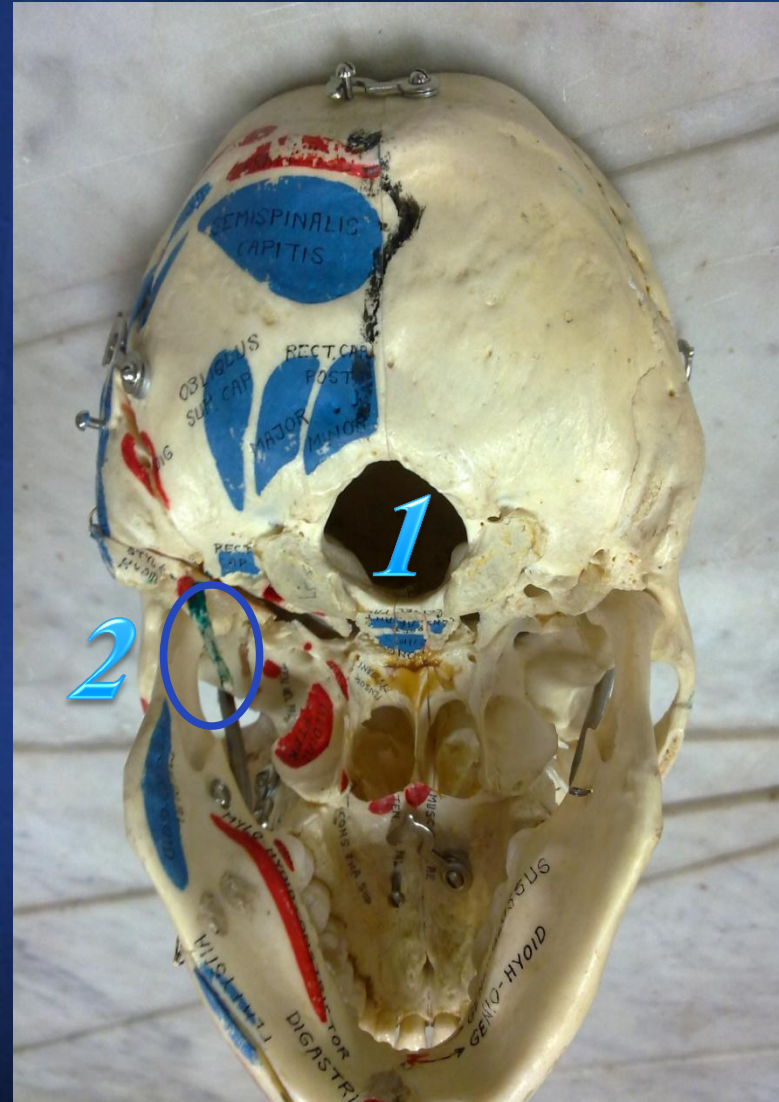
Canine fossa (lateral depression) >> 10

Incisive fossa (medial depression) >> 11

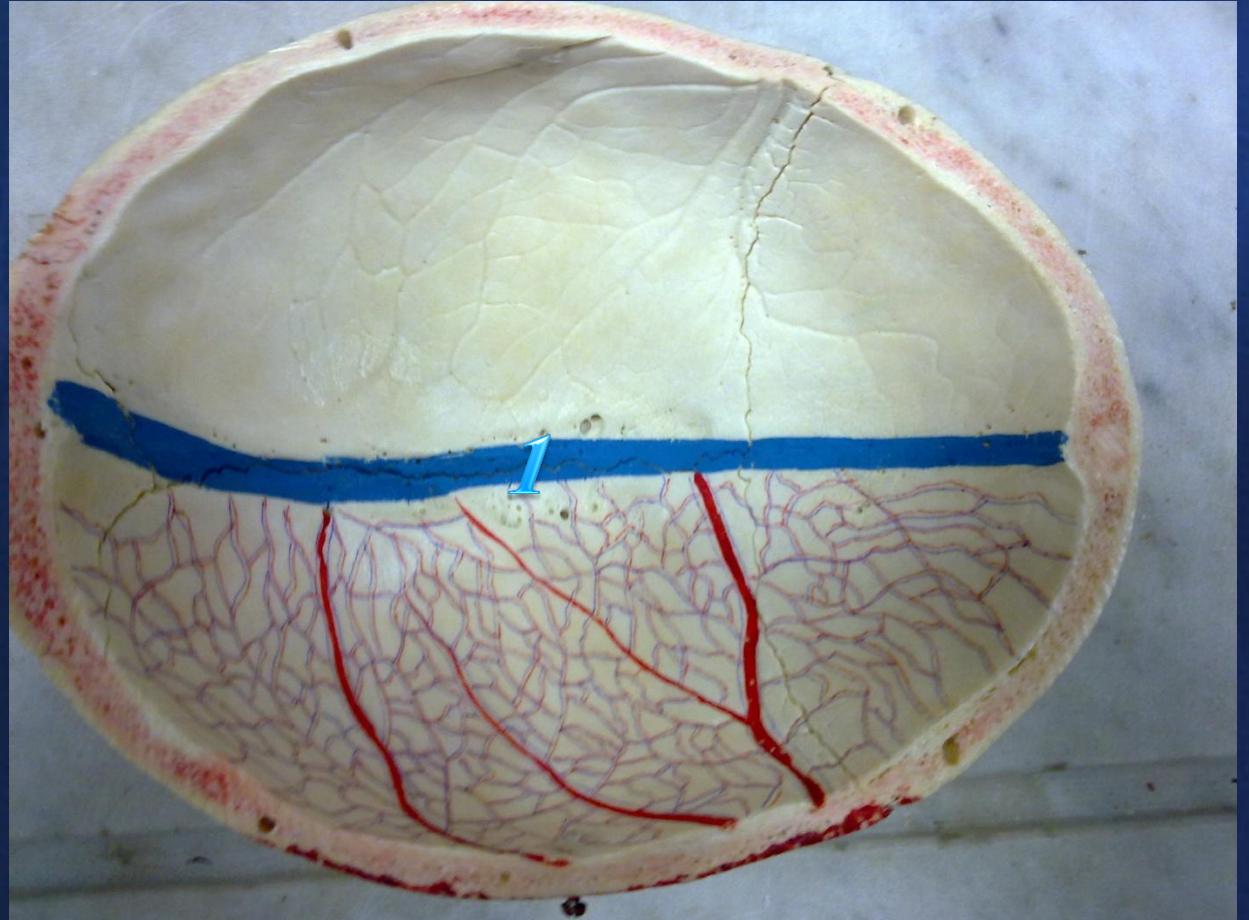


4. Norma Dorsalis:

- 1) Foramen Magnum
- 2) Styloid Process



Cranial Cavity



1) Sagittal Sulcus

Cranial Cavity





- 1) Anterior Cranial Fossa
- 2) Middle Cranial Fossa
- 3) Posterior Cranial Fossa
- 4) Orbital plate of frontal bone
- 5) Sphenoid bone containing (Sella
tercica)
or (Pituitary Fossa)
- 6) Lesser wing of sphenoid bone
- 7) Greater wing of sphenoid bone
- 8) Petrus part of Temporal bone
- 9) Segmoid Fossa
- 10) Anterior clinoid process
- 11) Posterior clinoid process



Thank you

*With our best wishes,
AFM Lovers*

